

MEMORANDUM

State of Alaska

Department of Transportation & Public Facilities
Division of Statewide Planning

TO: Joseph Perkins, P.E.
Commissioner

DATE: October 4, 2000

THROUGH: Tom Brigham
Director

TELEPHONE NO: 465-4070

Fax Number: 465-6984

FROM: Carol Taylor
CIP Program Manager

SUBJECT: 20012003 AMATS
Transportation
Improvement Program

Attached for your approval is the 2001 - 2003 Anchorage Metropolitan Area Transportation Study (AMATS) Transportation Improvement Program (TIP). Your approval is **recommended**. AMATS has determined that the TIP conforms with the federal Clean Air Act as amended in 1990. Federal Transit Administration and Federal Highway Administration must concur with the Anchorage air quality conformity determination for non-exempt projects. Projects exempt from air quality conformity may proceed upon your approval of the TIP.

The Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) have jointly certified that the Anchorage Metropolitan Area Transportation Study (AMATS) planning process meets the requirements of 23 CFR 450.334.

In addition, we find that after approval of the AMATS TIP, the Statewide Transportation Improvement Program (STIP) continues to comply with federal requirements as follows:

- That the STIP has been developed with public involvement as required by Section 450.212 of the Statewide Planning Regulations,
- That the STIP contains only projects consistent with the Alaska Statewide Transportation Plan (Vision: 2020),
- That in nonattainment areas, the STIP contains only transportation projects found to conform, or from projects that conform, to the requirements contained in 40 CFR part 5 1,
- That the STIP is fiscally constrained by year,
- That the STIP contains a list of priority projects to be carried out in the first three years of the STIP,

- That the existing transportation system is being adequately maintained and operated.

Your approval of the 2001 – 2003 **AMATS** TIP is recommended.

Approved

A handwritten signature in black ink, appearing to read "Joseph L. Perkins", written over a horizontal line.

~~Joseph L. Perkins, PE~~
Commissioner

Attached: 2001 – 2003 **AMATS** TIP and air quality conformity determination

CC: David Miller, Division Administrator, FHWA
Helen Knoll, Regional Administrator, FTA



U.S. DEPARTMENT OF TRANSPORTATION

FEDERAL HIGHWAY ADMINISTRATION
ALASKA DIVISION
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P.O. BOX 21648
JUNEAU, ALASKA 99802-1 648

FEDERAL TRANSIT ADMINISTRATION
915 SECOND AVENUE, SUITE 3142
SEATTLE, WASHINGTON 98174

December 19, 2000

Mr. Joseph L. Perkins, P.E., Commissioner
Alaska Department of Transportation
and Public Facilities
3132 Channel Drive
Juneau, Alaska 99801-7898

Dear Commissioner Perkins:

Your October 4, 2000, letter submitted the 2001-2003 Anchorage Metropolitan Area Transportation Study (AMATS) Transportation Improvement Program (TIP) to the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) for joint approval.

AMATS, the Anchorage Metropolitan Planning Organization (MPO), prepared a conformity determination for the Anchorage carbon monoxide (CO) nonattainment area consistent with the U.S. Environmental Protection Agency / U.S. Department of Transportation conformity rule dated August 15, 1997. Based on our review of the MPO's conformity determination for the Anchorage CO nonattainment area, we find that the AMATS TIP conforms to the State Implementation Plan's purpose of reducing the severity and number of violations to the National Ambient Air Quality Standards (NAAQS) and ensuring expeditious attainment of the standards. The U.S. Environmental Protection Agency has been provided an opportunity to comment on this U.S. Department of Transportation conformity determination prior to its approval.

Based on our review of the subject STIP amendment, we conclude that the AMATS TIP:

Was approved by the MPO and Governor's designee and has been included without modification by reference in the STIP as amended;

Contains all projects within the Anchorage metropolitan planning area;

Cover a period of not less than 3 years and includes a priority list of projects to be carried out in the first three years;

Was developed consistent with the public involvement procedures as published and adopted;

Is financially constrained by year and includes a financial plan that demonstrates that all projects can be implemented using current revenue sources;

Contains only projects that are consistent with the transportation plans;

Contains all regionally significant transportation projects;

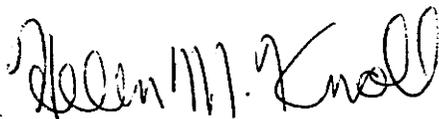
Contains all transportation projects proposed for funding under Title 23, USC, (including Federal Lands Highway projects) and Federal Transit Laws, as amended;

Contains only transportation projects found to conform to the requirements contained in 40 CFR Parts 51 and 93.

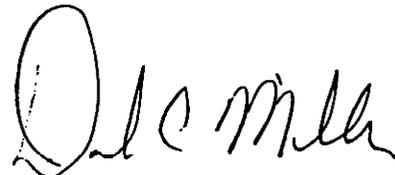
Therefore, we find that the AMATS TIP is based on a continuing, cooperative, comprehensive transportation process carried on by the State, MPO and transit operator in accordance with the provision of 23 USC 134 and 49 USC 5303.

The subject STIP amendment submitting the AMATS FY 2001-2003 TIP is approved. Since the subject document also addresses the same program requirements 23 USC 105, our joint approval also constitutes 23 USC 105 program approval.

Sincerely,



Helen M. Knoll
FTA Regional Administrator



David C. Miller
FHWA Division Administrator

**Table 3. ROADWAY IMPROVEMENTS
AMATS FFY 2001-2003 TIP (Approved June 1, 2000)**

June/00 Rank	PROJECT LOCATION	PROJECT PHASING PLAN	FEDERAL FISCAL PROGRAMMING YEAR (\$,000)						Est funding needs after 2006	Estimated total project cost
			10/97-9/98	10/98-9/99	10/99-9/00	10/00-9/01	10/01-9/02	10/02-9/03		
			2001	2002	2003	2004	2005	2006		
1	Dowling Road Reconstruction [Lake Otis Parkway to Old Seward Highway] - Widening to 4-lanes with a center turn lane, utility relocation/undergrounding, lighting, pedestrian, landscaping and Seward Hwy clearance. Landscaping @ 4% of Construction funds = \$250,000.	2001 - Util/C	\$14,825	\$0	\$0	\$0	\$0	\$0	\$0	\$14,82
2	Dowling Road Extension/Reconstruction [Minnesota Drive to Old Seward Highway] - Connect Minnesota to 'C' Street and continue to Dowling Road. Location and size of improvements to be determined. Project to include replacing bridge over Campbell Creek (\$6.8M), lighting, drainage, landscaping, trail and pedestrian improvements.	2001 - PE 2002 - PE 2003 - ROW/Util 2006+ - Util/C	\$1,350	\$0	\$2,300	\$0	\$6,400	\$0	\$16,200	\$26,25
3	'C' Street Reconstruction Phase II [International Airport Road to Dimond Boulevard] - Reconstruct 'C' Street from 2-lanes to 4-lanes including lighting, drainage, landscaping, and pedestrian facilities (a segment of North/South Trail). Landscaping @ 5% of Construction funds = \$525,000.	2002 - Util/C 2004 - ROW (ARRC Xing) 2006 - Util/C (ARRC Xing)	\$0	\$10,500	\$0	\$1,200	\$0	\$6,000	\$0	\$17,700
4	'C' Street Construction Phase III [Dimond Boulevard to O'Malley Road] - Construct a new road link south of Dimond Boulevard to O'Malley Road, including lighting, drainage, landscaping and pedestrian facilities (a segment of the North/South Trail). Landscaping @ 5% of Construction \$ = to be determined.	2001 - ROW 2002 - Util/C	\$6,000	\$0	\$10,500	\$0	\$0	\$0	\$0	\$16,500
5	O'Malley Road Reconstruction [Seward Highway to Hillside Drive] - Reconstruct the roadway to improve safety and capacity at intersections and improve pedestrian facilities. Landscaping @ 5% of Construction \$ = to be determined.	2001 - PE 2003 - ROW/Util 2005 - Util/C	\$500	\$0	\$1,000	\$0	\$4,000	\$0	\$0	\$5,50
6	Old Glenn Highway Rehabilitation [Artillery Road to North Eagle River exit] - Project includes Artillery Road interchange improvements. Minor streetscape improvements to be included.	2001 - ROW/Util 2002 - Util/C	\$150	\$3,500	\$0	\$0	\$0	\$0	\$0	\$3,65
7	Highway Safety Improvement Projects (HSIP): Project locations identified in the FHWA-approved HSIP. Funding is expected to include, but not be limited to, HSIP projects at the following locations: 1) Fireweed Lane [from Spenard Road to Seward Highway]; 2) Ingra Street at 5th Avenue; 3) Boniface Parkway at Northern Lights Boulevard; 4) Muldoon Road [20th Avenue to 36th Avenue]; 5) 15th Avenue [Lake Otis Parkway to Airport Heights Road]; 6) Midtown Corridor Study; 7) 'C' Street at 7th Avenue; 8) MacInnes Street at 36th Avenue; and 9) Spenard Road [Fireweed Lane to Minnesota Drive].	2001 - 2006 - PE/D /Util/C	\$1,263	\$380	\$2,870	\$1,070	\$1,387	\$1,500	\$0	\$10,43
8	DeArmour Road Reconstruction Phase II [140th Avenue to Hillside Drive] - Project involves reconstruction of the existing alignment, improving pavement condition, and pedestrian facilities.	2002 - PE 2005 - ROW/Util 2006+ - Util/C	\$0	\$500	\$0	\$500	\$0	\$0	\$7,000	\$8,00
9	Pavement Replacement Program - This program will provide a single funding source for several pavement overlay and/or replacement projects. Improvements are also expected to include ADA and some existing curb and sidewalk repair. Program is expected to include, but not be limited to, pavement replacement for the following routes: 1) Denali Street [Northern Lights Boulevard to 40th Avenue]; 2) Lake Otis Parkway [Abbott Road to O'Malley Road]; 3) Lake Otis Parkway [DeBarr Road to Northern Lights Boulevard]; 4) Mountain View Drive [Commercial Drive to the Glenn Highway]; 5) 9th Avenue [L' Street to Ingra Street]; 6) Bragaw Street [the Glenn Highway to DeBarr Road]; 7) Lake Otis Parkway [Northern Lights Boulevard to Tudor Road]; 8) Spenard Road [McRae Road to Fireweed Lane]; 9) Benson/Northern Lights Boulevards [Wisconsin Street to Lake Otis Parkway]; and, 10) Dimond Boulevard [Jodphur Road to Jewel Lake Road].	2002 - 2006 - PE/D/Util/C	\$0	\$2,563	\$2,553	\$1,723	\$5,026	\$1,253	\$500	\$13,61

**Table 3. ROADWAY IMPROVEMENTS
AMATS FFY 2001-2003 TIP (Approved June 1, 2000)**

June/00 Rank	PROJECT LOCATION	PROJECT PHASING PLAN	FEDERAL FISCAL PROGRAMMING YEAR (\$,000)						Est funding needs after 2006	Estimated total project cost
			10/97-9/98	10/98-9/99	10/99-9/00	10/00-9/01	10/01-9/02	10/02-9/03		
			2001	2002	2003	2004	2005	2006		
10	Northern Lights Boulevard Reconstruction [Wisconsin Street to Aero Avenue] - Project to upgrade roadway to urban standards. Road improvements to include center-turn lane, curbs, lighting, pedestrian facilities, transit and improvements, landscaping and storm drainage. Improvements address access into and out of adjacent neighborhoods.	2001 - PE 2001 - D 2001 - ROW/Util 2001+ - Util/C	\$0	\$500	\$0	\$600	\$0	\$600	\$3,800	\$5,500
11	East Anchorage Transportation Facilities Concept Report - Preliminary engineering funds programmed to implement the recommendation of the report funded in 1999/2000.	2001 - PE	\$0	\$1,100	\$0	\$0	\$0	\$0	\$0	\$1,100
12	Eagle River Loop Road Reconstruction [Old Glenn Highway to Eagle River Road] - Reconstruct to arterial standards including shoulders, turn lanes, pedestrian facilities, lighting and landscaping. LS @ 5% of Constr \$ = \$535,000.	2001 - D 2001 - ROW 2001 - Util/C	\$0	\$500	\$0	\$1,250	\$0	\$10,700	\$0	\$12,450
13	Old Seward Highway Reconstruction [O'Malley Road to Huffman Road] - Project will separate turning movements from through traffic, and improve access to adjacent commercial properties. Landscaping @ 5% of Construction \$ = \$300,000.	2001 - D/Util 2001 - ROW 2001 - Util/C	\$0	\$	\$2,000	\$0	\$7,000	\$0	\$0	\$10,200
14	Dowling Road Extension/Reconstruction [Lake Otis Parkway to Abbott Loop Road] - This and other similar roadway improvements will not be programmed unless they are recommended as a result of the East Anchorage Transportation Facilities Report (see #11).	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Eklutna River Bridge Rehabilitation/Replacement at the Old Glenn Highway - Project to rehabilitate or replace the existing bridge. A new structure would have a design life of 50+ years and would include two travel lanes, shoulders, one pathway, and railing.	2001 - D 2001 - Util/C	\$200	\$2,000	\$0	\$0	\$0	\$0	\$0	\$2,250
16	Old Glenn Highway Reconstruction [rural section, North Eagle River Exit to Peters Creek] - Project evaluates existing alignment, pavement conditions and pedestrian facilities. Project to be constructed in phases.	2001 - D 2001 - ROW/Util 2001 - Util/C 2001 - Util/C	\$0	\$200	\$1	\$1,500	\$6,020	\$7,000	\$0	\$15,270
17	Victor Road Reconstruction [Dimond Boulevard to 100th Avenue] - Will upgrade roadway to minor arterial standards, to include a minimum 3-lane section, pedestrian facilities, lighting, storm drainage, and landscaping.	Funding now proposed in ne Table 3a.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18	DeArmoun Rd Reconstruction Phase I [Westwind Dr to 140th Avenue] - This project reconstructs the existing alignment, improving pavement condition and pedestrian facilities from Westwind to Hillside Drive. (Phase II construction is from 140th Avenue to Hillside.)	2001 - ROW 2001 - Util/C	\$1,000	\$0	\$4,000	\$0	\$0	\$0	\$0	\$5,000
19	Abbott Loop Road Extension [48th Avenue to 68th Avenue] - This and other similar roadway improvements will not be programmed unless they are recommended in as a result of the East Anchorage Transportation Facilities Report (see #11).	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	Spenard Road Rehabilitation [Hillcrest Drive to the Minnesota Drive On-ramp] - Project will rehabilitate Spenard Road and includes pedestrian facilities.	2001 - PE/D 2001 - ROW 2001 - Util/C	\$150	\$0	\$150	\$415	\$0	\$0	\$0	\$715
21	Huffman Road Reconstruction [Old Seward Highway to Lake Otis Parkway] - Reconstruct & widen, as required, to meet future traffic demand. Provide missing links in pedestrian facilities, lighting, intersection improvements, and minimal landscaping.	2002 - D 2004 - ROW/Util 2006 - Util/C	\$0	\$500	\$0	\$500	\$0	\$0	\$8,000	\$9,000
22	Dimond Boulevard Rehabilitation [Jewel Lake Road to Seward Highway] - Project is primarily a pavement rehabilitation; however, work effort is anticipated to be more than just a pavement	2002 - PE/D 2004 - Util/C	\$0	\$320	\$0	\$2,600	\$0	\$0	\$0	\$2,920

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			10/97-9/98	10/98-9/99	10/99-9/00	10/00-9/01	10/01-9/02	10/02-9/03		
			2001	2002	2003	2004	2005	2006		
23	Eagle River Road Rehabilitation [MP 5.3 (o MP 12.6) - Upgrade the road with widened shoulders for pedestrians, improved visibility, and repavement. No landscaping improvements recommended. Project to include parking improvements at Eagle River Nature Center.	2002 - D 2003 - ROW 2004 - Util/C	\$0	\$500	\$600	\$7,500	\$0	\$0	\$0	\$8,600
24	Abbott Road Reconstruction [Lake Otis Parkway to Birch Road] - Improvements are not specific at this time, but could range from an improved 2-lane to 4-lane roadway, depending on long-term traffic need. Will include intersection and pedestrian improvements. Landscaping @ 5% of Construction = to be determined.	2003 - D 2005 - ROW 2006+ - Util/C	\$0	\$0	\$900	\$0	\$400	\$0	\$7,400	\$8,700
25	'A'/C' Couplet Pavement Rehabilitation [6th Avenue to 40th Avenue] - Project to rehabilitate the pavement surfaces; some minor base work is expected. Project does not include landscaping or other streetscape improvements.	2005 - Util/C 2006+ - Util/C	\$0	\$0	\$0	\$2,000	\$3,000	\$0	\$0	\$5,000
26	Boniface Parkway Rehabilitation [DeBarr Road to Tudor Road] - Would resurface, restore, rehabilitate roadway, and would include evaluation of foundation/base stabilization, safety, drainage, landscaping and trails.	2004 - Design 2006 - PE 2006+ - ROW/Util/C	\$0	\$0	\$0	\$500	\$0	\$500	\$3,100	\$4,100
27	Whitney Road Reconstruction [North 'C' Street to Post Road] - Project to upgrade road to urban industrial standards. Improvements include curbs, lighting, pedestrian facilities, and some landscaping.	2006 - PE 2006+ - D/ROW/Util/C	\$0	\$0	\$0	\$500	\$0	\$500	\$5,250	\$6,250
28	Huffman Road Intersection Improvements [at Elmore, Lorraine and Pintail] - Project will reconstruct three intersections along Huffman Road to current standards, providing turning opportunities and sight distance improvements. (** At this time, the project is being reviewed by MOA Depts of Public Works and Community Planning in an effort to expedite the completion of Elmore/Huffman Rd intersection improvement, with the Elmore Road improvements, with other funding sources.)	2002 - PE/D 2004 - ROW/Util 2006 - Util/C	\$0	\$200	\$0	\$1,350	\$0	\$1,300	\$2,000	\$4,850
29	Anchorage Areawide Railroad Grade Separations - Study to review/analyze potential grade separation and recommend a program for improvements.	2005 - Study	\$0	\$0	\$0	\$250	\$0	\$0	\$0	\$250
ANNUAL TOTALS			\$25,488	\$25,013	\$26,873	\$25,418	\$33,233	\$29,353	\$53,250	\$218,628
ANNUAL FUNDING PROJECTIONS FOR ALL TYPES OF NON-NHS PROJECTS [as of March 2000] = approx. \$36.7m in 2001, \$35.9m in 2002, and \$37.05m in 2003.			\$36,700	\$35,900	\$37,050	\$38,200	\$39,450	\$40,600		\$227,900
Amount under /(over) projected total funding level			\$11,212	\$10,887	\$10,177	\$12,782	\$6,217	\$11,247		6-year Avg
Approximate Percent (%) for Roadways (72% or \$25,300M IS THE TARGET)			69%	70%	73%	67%	84%	%		72%

**Table 3a. Roadway Transfer Program
AMATS FFY 2001-2003 TIP (Approved June 1, 2000)**

June 2000 Rank	PROJECT LOCATION	PROJECT PHASING PLAN	PROGRAMMING YEAR, (\$,000)						Est. funding	Est. total
			1000 - 09/01	1001 - 09/02	1002 - 09/03	1004 - 09/05	1005 - 09/06	1005 - 09/06	project	
			2001	2002	2003	2004	2005	2006	cost	
1	Victor Road Reconstruction [Dimond Boulevard to 100th Avenue] - Project would upgrade this roadway to minor arterial standards to include a minimum 3-lane section, pedestrian facilities, lighting, storm drainage, and landscaping. Construction completion is estimated in-2004.	2001 - PE 2002 - D 2003 - ROW 2004 - Util/C	\$500	\$500	\$750	\$2,750	\$0	\$0	\$0	\$4,500
ANNUAL TOTALS			\$500	\$500	\$750	\$2,750	\$0	\$0	\$0	\$4,500

*Note: This is a new table for the TAC Final Draft FFY2001-2003 TIP.
A pilot program called the "AMATS Road Transfer Program" is recommended as a new
approach to address the reconstruction needs of several state-owned minor roadways in
Anchorage. The intent of this program is to expedite improvements to selected roadways
throughout Anchorage. The program would allow the Municipality of Anchorage to select
State-owned roads that both need reconstruction and for which the Municipality would
accept ownership and future maintenance responsibilities, once the road is reconstructed
to urban standards. Funding for this program is separate from, and in addition to, the
AMATS allocation for other roadways, transportation enhancements, and CMAQ type
projects.*

**Table 4. TRANSPORTATION ENHANCEMENTS
AMATS FFY 2001-2003 TIP (Approved June 1, 2000)**

June 2000 RANK	PROJECT LOCATION	PROJECT PHASING PLAN	FEDERAL FISCAL PROGRAMMING YEAR (\$,000)						Est funding needs after 2006	Estimated total project cost
			10/00 - 09/01	10/01 - 09/02	10/02 - 09/03	10/04 - 09/05	10/05 - 09/06	10/05 - 09/06		
			2001	2002	2003	2004	2005	2006		
1	Pedestrian Safety and Accessibility Improvements - Construct ramps, walkways, and curb cuts for pedestrians at various locations (to be determined). Includes ADA compliance improvements. Includes sidewalk on the east side of Muldoon Road, between 16th and 20th in FFY 2002.	2001 - 2006 D/ROW/Util/C	\$200	\$800	\$400	\$250	\$400	\$400	\$200	\$2,650
2	Ship Creek Trail Phases II & III - Project completes segments from Post Road to William Tyson Elementary and Government Hill: Project will extend (to be Coastal Trail, 4 miles, from its current terminus at 2nd Avenue via Ship Creek to Glenn Highway & connection to Government Hill. Phase I construction (to include ARR track separation and relocation) ended in FFY 2000. Project (to include trail connection (to include ADA improvements at ADF&G's Ship Creek Hatchery.	2001 - Util/C 2002 - Util/C	\$4,000	\$3,000	\$0	\$0	\$0	\$0	\$0	\$12,140
3	Coastal Trail (Southern Extension) - This project will extend (to be existing Coastal Trail south from Kincaid Park (to Potter Marsh. (trail route (to be selected). Future lands are shown as rough estimated planning place-holders, actual cost will be determined based on route. Project anticipated to be designed and constructed in phases.	2002 - PE 2004 - ROW 2006 - Util/C 2006+ - D/ROW/Util/C	\$0	\$500	\$0	\$1,000	\$0	\$2,000	\$18,700	\$22,200
4	Campbell Creek Trail Connection [Seward Highway (to Tudor Road Crossing] - Project extends the existing Campbell Creek trail approximately 2.5 miles and completes a key missing segment on (to be Anchorage trails network. Project does NOT include grade separations at Seward Highway or trail connection between Old Seward and New Seward Highways. The grade separation will be included in (to be NHS Seward Highway at International Airport Road grade separation project.	2001 - D/Util/ROW 2003 - Util/C	\$100	\$0	\$3,600	\$0	\$0	\$0	\$0	\$3,700
5	Chester Creek Trail Connection [Tudor Road Crossing (to Goose Lake] - Project provides a connection from the Tudor Crossing to (to be east of University Lake, minimizing the impact to neighborhoods and APU. Project would also include a multi-use paved trail connecting UAA student housing with the main campus on Providence Drive.	2001 - PE/D 2003 - ROW/Util 2004 - Util/C	\$325	\$0	\$400	\$2,450	\$0	\$0	\$0	\$3,175
6	Midtown Trail - Improve trail connection from Downtown (to be Midtown area along 'A'/C' Couplet. Focus will likely be from Fireweed Lane (to Tudor Road along (to be 'A' Street Corridor. Road intersection improvements are likely, but no grade separations are proposed.	2002 - Util/C	\$0	\$1,000	\$0	\$0	\$0	\$0	\$0	\$1,000
7	5th & 6th Avenues Pedestrian Safety and Landscaping Improvements [C' Street to Gambell Street] Project (to include an assessment of streetscape issues, street lighting and decorative improvements along the corridor. No additional ROW is programmed.	2002 - D 2004 - Util/C	\$0	\$250	\$0	\$1,000	\$0	\$0	\$0	\$1,250
8	Anchorage Area-wide Trails Rehabilitation - Project will analyze existing pathways for rehabilitation needs community-wide and promote specific projects to rehabilitate those existing pathways. The scope is primarily expected (to include pavement placement. Project (to complement existing MOA/CIP program.	2001 - PE 2002 - D 2003 - Util/C 2004 - PE 2006 - Util/C	\$100	\$150	\$450	\$150	\$650	\$0	\$0	\$1,500
9	Eagle River Greenbelt Access and Pathway - Construction of 12 miles of new trail in (to be Eagle River Greenbelt, connecting the Briggs Bridge with (to be Visitor Center. Many new trails will be built and interpretive displays paved on the trails and at the trailheads.	2002 - PE, 2005 - D 2006+ - Util/C	\$0	\$500	\$0	\$0	\$750	\$0	\$5,500	\$6,750
10	Glenn Highway Trail Rehabilitation [Muldoon Road to North Birchwood Loop] - Project to resurface existing trail and address design deficiencies. Project design and construction in (no phases with Phase I being the relocation of trail at National Guard Armory.	2002 - PE/D 2003 - Util/C 2004 - PE/D 2005 - Util/C	\$0	\$150	\$750	\$300	\$0	\$1,500	\$0	\$2,700

**Table 4. TRANSPORTATION ENHANCEMENTS
AMATS FFY 2001-2003 TIP (Approved June 1, 2000)**

June 2000 RANK	PROJECT LOCATION	PROJECT PHASING PE/AN	FEDERAL FISCAL PROGRAMMING YEAR (\$,000)						Est funding needs after 2006	Estimated total project cost
			10/00 - 09/01	10/01 - 09/02	10/02 - 09/03	10/04 - 09/05	10/05 - 09/06	10/05 - 09/06		
			2001	2002	2003	2004	2005	2006		
11	Boniface Pedestrian Safety and Trail Improvements [Glenn Hwy to DeBarr Road] - Repair or existing pedestrian facilities, adding sidewalks on east and west sides, landscaping.	2001 - Util/C	\$1,140	\$0	\$0	\$0	\$0	\$0	\$0	\$1,140
12	Muldoon Road Landscaping and Pedestrian Improvements [Glenn Highway to 36th Avenue] - This funding will construct additional pedestrian amenities and minimal landscaping for the remainder of the corridor. Projects are identified in the Muldoon Road Beautification Plan. Preliminary design and ROW funding in previous TIP.	2001 - D 2004 - Util/C	\$100	\$0	\$0	\$1,150	\$0	\$0	\$0	\$1,250
13	Glenn Highway Trailhead Improvements [at Thunderbird Falls, Peters Creek, and South Fork of Eagle River] - Construct or improve existing trailheads with pedestrian and ADA (or barrier-free) access routes near the trailhead parking areas.	2004 - PE/D 2006 - ROW/Util/C	\$0	\$0	\$0	\$400	\$0	\$2,600	\$0	\$3,000
14	Campbell Tract Trail and Trailhead Improvements - Enhance trailheads and parking, as well as remove ADA impediments and provide interpretive displays. The parking lot is known as the Buckner Trailhead Parking Area. Project will provide an increase of 17 parking spots, for a total of 25, will provide for one entrance road instead of two, will improve layout, and will revegetate the area.	2003 - PE/D 2005 - Util/C	\$0	\$0	\$50	\$0	\$400	\$0	\$0	\$450
15	Anchorage Area-wide Sidewalks/Access to Schools - Analyze access to schools community-wide, and promote specific projects to provide pedestrian connections where none currently exist and where other funding sources are not available.	2003 - Study	\$0	\$0	\$75	\$0	\$0	\$0	\$0	\$75
16	Dimond Boulevard Pedestrian and Landscaping Improvements [Jewel Lake Road to Old Seward Highway] - Project provides landscaping and pedestrian enhancements.	2004 - PE/D/ROW/Util 2006 - Util/C	\$0	\$0	\$0	\$150	\$0	\$50	\$0	\$500
17	Potter Marsh Trailhead and Access Improvements - Will enhance parking lot and provide some new boardwalk connections at Potter Marsh Critical Habitat Area, and connect the Bird Treatment Learning Center on the Old Seward Highway to the existing Boardwalk. PE and design funded in previous program. Project recommended to be completed in phases due to substantial increase in construction cost estimates.	2001 - Util/C 2003 - Util/C 2006+ - Util/C	\$500	\$0	\$500	\$0	\$500	\$0	\$500	\$2,000
ANNUAL TOTALS			\$6,465	\$6,350	\$6,225	\$6,850	\$2,700	\$6,850	\$24,900	\$65,480
ANNUAL FUNDING PROJECTIONS, for all types of Non-NHS projects (as of March 2000): approx \$36.7M in 2001, \$35.9M in 2002, and \$37.05M in 2003.			\$36,700	\$35,900	\$37,050	\$38,200	\$39,450	\$40,600	\$49,600	\$227,900
Amount under / (over) projected funding level			\$30,235	\$29,550	\$30,825	\$31,350	\$36,750	\$33,750		\$162,420
Approx Percentage (%) for Transportation Enhancement Improvements (2001 target is 15%, or \$5.5M)			18%	18%	17%	18%	7%	17%		16%

**Table 5. CONGESTION MITIGATION AIR QUALITY
AMATS FFY 2001-2003 TIP (Approved June 1, 2000)**

unc 2000 Rank	PROJECT LOCATION	PROJECT PLAN PHASING	PROGRAMMING YEAR, (\$,000)						Estimated funding needs after 2006	Estimated total project costs
			1000-901	1001-902	1002-903	1003-904	1004-905	1005-906		
			2001	2002	2003	2004	2005	2006		
1	Anchorage Ridesharing/Transit Marketing - Fundsthe operation of the MOA Share-A-Ride which promotes, coordinates, and operates an area-wide commuter matching service and a van pool program. Also funds a comprehensive transit marketingeffort.	2001 - 2006 Programming	\$470	\$510	\$550	\$580	\$610	\$640	\$670	\$4,030
2	DMV&I/M Program Data Link - Project to allow for real-time transmission of a passing inspection to DMV thus allowing for a "paperless" Certificate of Inspection.	2001 - Implementation	\$300	\$0	\$0	\$0	\$0	\$0	\$0	\$300
3	I/M Enhancement Program - The EPA mandated On Board Diagnostic (OBD) test for 1996 and newer vehicles is 1/1/2001. In the OBD test, a vehicle's computer determines an I/M pass/fail. Modificationsto theOBDtestare anticipated to be needed to insure local concerns are addressed through slight software changes & I/M technician training. Emissions benefit determination and public awareness are needed for the transition.	2001 - Implementation	\$270	\$0	\$0	\$0	\$0	\$0	\$0	\$270
4	UAA/Providence Transit Center - The Providence/University Area Transportation Study recognized the importance of public transportation within as well as to/from the area. This project implements the study's recommendation for the construction of anarea transit center, providing a safe location for passengers waiting for buses.	2001 - C	\$2,500	\$0	\$0	\$0	\$0	\$0	\$0	\$2,500
5	Automated Operating System [People Mover] - Project automates the operation of the fixed route buses including vehicle location, operating characteristics, customer real-time information, passenger counting equipment & improved management reporting capability.	2002 - Implementation	\$0	\$2,400	\$0	\$0	\$0	\$0	\$0	\$2,400
6	YouthEmployment Program for transit stop and trail accessibility - Program hires young people (16-22 years old) to improve bus stops. Activities include minor construction projects, clearing/grubbing landscaping, watering, planting landscaping beds/planters, etc.	2001 - 2006 Implementation	\$47	\$47	\$47	\$47	\$47	\$47	\$47	\$329
7	New Eastside Area Anchorage Transit Center - With changing travel patterns inthe Anchorage area, the need for local transit hubs has increased. Hubs providesafe, convenient centers for bus riders to transfer between buses. eliminates need to traveltime. Location to be determined.	2004 - E	\$0	\$0	\$0	\$2,500	\$0	\$0	\$0	\$2,500
8	New CBD Transit Center - Wouldreplace the existing transitcenterin theCBD. Expanded services are required. The facility is expected to be a public/private partnership serving the People Mover system as well as other transportation operators. Location to be determined.	PE and E funded with FTA funds in FFY 2000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,000
9	Winter CO Season Free Bus Service - Provides free bus service from Nov 1 to Jan 31 to reduce auto travel and promote transit ridership. Funding for third year of program based on success of program in increasing ridership. (funded in FFY 1999 and 2000)	2001 - Programming	\$525	\$0	\$0	\$0	\$0	\$0	\$0	\$525

**Table 5. CONGESTION MITIGATION AIR QUALITY
AMATS FFY 2001-2003 TIP (Approved June 1, 2000)**

June 2000 Rank	PROJECT LOCATION	PROJECT PHASING PLAN	PROGRAMMING YEAR, (\$,000)						Estimated funding needs after 2006	Estimated total project costs
			10/00-9/01	10/01-9/02	10/02-9/03	10/03-9/04	10/04-9/05	10/05-9/06		
			2001	2002	2003	2004	2005	2006		
10	Purchase of Regenerative Air and Mechanical Street Sweepers for MOA - Purchase of up to three new street sweepers would complete the addition to the MOA fleet initiated in 1999. These sweepers can operate at subfreezing temperatures using liquid magnesium chloride as a wetting agent to suppress dust. Program also funded in FFY 1999, 2000.	2002 - Purchase	\$0	\$400	\$0	\$0	\$0	\$0	\$0	\$400
11	Winter Sidewalk Maintenance - Provide maintenance in neighborhoods that connect with the transit system with the top bus stops. Program started in previous TIP, FFY2000.	2001 - 2002 Implementation	\$200	\$175	\$0	\$0	\$0	\$0	\$0	\$375
12	I/M Evader Sticker Program - Provide additional investigative staff to improve enforcement of I/M Program requirements.	2002 - 2004 Implementation	\$0	\$545	\$545	\$545	\$0	\$0	\$0	\$1,635
13	Compressed Natural Gas Fleet - Acquisition of natural gas fueled vehicles for State and Municipal vehicles and subsidize cost of private fleet(s). Includes funding for CNG education/training, program administration. Program requires purchase of dedicated fueled vehicles provided by original equipment manufacturers.	2003 - 2005 Purchase & Admin	\$0	\$0	\$700	\$300	\$300	\$0	\$0	\$1,300
14	Anchorage School District Compressed Natural Gas Buses - This project is contingent on the success of the CNG pilot program funded in FFY2000 for ASD. This project would provide funding for the purchase of 5 dedicated CNG buses in 2002 and 5 more in 2003. Ten buses would be acquired in these years.	2003 - 2004 Purchase	\$0	\$0	\$500	\$500	\$0	\$0	\$0	\$1,000
15	Transit Fleet Expansion - This project will begin expansion of the People Mover Public Transportation System by purchasing three (3) new buses each year beginning in 2004.	2004 - 2006 Fleet Expansion	\$0	\$0	\$0	\$850	\$850	\$850	\$0	\$2,550
16	Air Quality Public & Business Awareness Education Campaign - The goal of this program is to further inform the public about air quality issues and what steps people may take to reduce pollution, as well as inform the business community about air quality issues in Anchorage and the steps they can take to reduce air pollution.	2001-06 Implementation	\$110	\$110	\$110	\$110	\$110	\$110	\$0	\$660
17	Anchorage School District (ASD) Indoor Bus Storage - This project provides for the design and construction of a heated indoor storage barn for the ASD bus fleet to minimize diesel cold starts, increase winter warm up time for student comfort and safety. Location to be determined. Project construction to be 50% funded by ASD.	2004 - PE/D 2006 - C	\$0	\$0	\$0	\$500	\$0	\$2,750	\$0	\$3,250
18	Liquid magnesium chloride for street sweepers - This project would increase early spring street sweeping activity by acquiring additional liquid de-icer for sub-freezing sweeping. Concludes federal funding for the project started in previous TIP, FFY 1999 and FFY 2000.	2001 - Purchase	\$100	\$0	\$0	\$0	\$0	\$0	\$0	\$100
19	Bicycle and Pedestrian Safety Campaign [AMATS portion of a statewide program] - Project funds a bicycle and pedestrian commuter education program which would include a safety component. Project started in previous TIP, FFY 1999 & 2000.	2001 Programming	\$125	\$0	\$0	\$0	\$0	\$0	\$0	\$125

**Table 5. CONGESTION MITIGATION AIR QUALITY
AMATS FFY 2001-2003 TIP (Approved June 1, 2000)**

June 2000 Rank	PROJECT LOCATION	PROJECT PHASING PLAN	PROGRAMMING YEAR, (\$,000)						Estimated funding needs after 2006	Estimated total project costs
			10/00-9/01	10/01-9/02	10/02-9/03	10/03-9/04	10/04-9/05	10/05-9/06		
			2001	2002	2003	2004	2005	2006		
20	Private Sector Block Heater Incentive Program - Provide matching funds to businesses willing to provide electrical plug-ins for employees at their parking facilities. The purpose of this program is to reduce cold start emissions from commuters.	2001 - Start-up 2002 - D 2004 - Implement'n	\$100	\$200	\$1,500	\$0	\$0	\$0	\$0	\$1,800
21	Oxygen Sensor Replacement Program - First year design money to be used to verify strategy & set-up program. Project to enhance benefits of I/M program to increase effectiveness.	2002 - Evaluation 2005 - Implement'n	\$0	\$150	\$0	\$0	\$1,600	\$0	\$0	\$1,750
ANNUAL TOTALS			\$4,747	\$4,537	\$3,952	\$5,932	\$3,517	\$4,397	\$10,717	\$37,799
Annual Funding Projections as of March 30, 2000 = approx \$36.7M in FFY2001, \$35.9M in FFY2002, and \$37.05M in FFY2003 for all types of Non-NHS Projects			\$36,700	\$35,900	\$37,050	\$38,200	\$39,450	\$40,600		
Amount under / (over) projected total CMAQ allocation level			\$31,953	\$31,363	\$33,098	\$32,268	\$35,933	\$36,203		6-yr Avg
Approximate Percent (%) for CMAQ (Congestion Mitigation & Air Quality), FFY 2001=\$5M			13%							
Approximate Percent (%) for CMAQ (Congestion Mitigation/Air Quality) FFY 2002-2006 = \$3M annually				13%	11%	16%	9%	11%		12%

**Table 7. TRANSIT PROGRAM FUNDING
AMATS FFY 2001-2003 TIP (Approved June 1, 2000)**

	PROJECT LOCATION	FUNDING SOURCE	PROJECT PHASING PLAN	FEDERAL FISCAL PROGRAMMING YEAR (\$,000)						Estimated unding needs after 2006	Estimated total project costs
				10/00 - 09/01	10/01 - 09/02	10/02 - 09/03	10/03 - 09/04	10/04 - 09/05	10/05 - 09/06		
				2001	2002	2003	2004	2005	2006		
	FTA Section 5307 Funds										
1	1% Transit Enhancement - TEA-21 establishes a minimum annual expenditure requirement of one percent for transit projects and eligible enhancements [historic preservation of mass transportation facilities, bus shelters, landscaping and other scenic beautification, transit furnishings, public art, pedestrian access and walkways, bicycle access and bike storage, transit connections to parks, signage, and enhanced access for persons with disabilities to mass transportation].	FTA section 5307	2001 - 1005 Implementation	\$37	\$34	\$37	\$39	\$42	\$45	\$0	\$23
2	Bus Stop Improvements - This project funds the upgrade of bus stop sites to meet both the federally-mandated Americans with Disabilities Act [ADA] requirements and the operational needs. Typical improvements include bus shelters, benches, trash receptacles, landscaping, grading, paving, utility relocations, lighting, curb adjustments, drainage, constructing paths, and construction/reconstruction of turnouts.	FTA section 5307	2001 - 2005 Implementation	\$1,550	\$945	\$1,010	\$750	\$750	\$950	\$0	\$5,95
3	Preventive Maintenance / Capital Maintenance - The Federal Transit Administration [FTA] allows grantees to use capital funds for overhauls and preventative maintenance. FTA assistance for these items is based on a percentage of annual vehicle maintenance costs [up to 20%].	FTA section 5307	2001 - 2005 Implementation	\$515	\$552	\$588	\$630	\$674	\$720	\$0	\$3,67
4	Fleet Improvement - This project funds improvements to existing transit and paratransit fleets. Typical projects include a ticket reader and issue attachment, which issues passenger passes on the bus; security systems; transit/signal improvements for headway enhancements; mobile display terminals; and vehicle communications and locations systems.	FTA section 5307	2001 - 2005 Implementation	\$290	\$235	\$250	\$1,077	\$1,598	\$800	\$0	\$4,25
5	Support Vehicles - This project funds purchase of replacement vehicles and equipment to support operation of the transit system. Typical purchases include pickup trucks, maintenance trucks with special equipment, supervisor vehicles, shift change vehicles, fork lifts, sweepers, and bus access snow removal equipment.	FTA section 5307	2002 - 2005 Purchase	\$0	\$70	\$90	\$70	\$0	\$190	\$0	\$42
6	New CBD Transit Center - This project would replace the existing transit center in the CBD with a new facility. Expanded services are required. The facility is expected to be a public/private partnership serving the People Mover system, as well as other transportation operators. Location to be determined. Construction is programmed for CMAQ funding after 2006.	FTA section 5307	2002 - PE 2003 - D	\$0	\$350	\$500	\$0	\$0	\$0	\$0	\$85
7	Paratransit Vehicles / Major Maintenance Equipment - This project funds the fleet expansion and replacement for the AnchorRIDES paratransit service and the Vanpool program. Major maintenance funding for these vehicles is provided for the most efficient use of this equipment.	FTA section 5307	2001 - 2005 Implementation	\$930	\$904	\$640	\$920	\$640	\$950	\$0	\$4,98
8	Automated Operating System / AnchorRIDES - The project improves the system by collecting realtime vehicle location information and further automating the scheduling/dispatch functions that will substantially improve the system.	FTA section 5307	2004 Implementation	\$0	\$0	\$0	\$100	\$0	\$200	\$0	\$30

**Table 7. TRANSIT PROGRAM FUNDING
AMATS FFY 2001-2003 TIP (Approved June 1, 2000)**

	PROJECT LOCATION	FUNDING SOURCE	PROJECT PHASING PLAN	FEDERAL FISCAL PROGRAMMING YEAR (\$,000)						Estimated unding needs after 2006	Estimated total project costs
				10/00 - 09/01	10/01 - 09/02	10/02 - 09/03	10/03 - 09/04	10/04 - 09/05	10/05 - 09/06		
				2001	2002	2003	2004	2005	2006		
9	Automated Operating System / People Mover - This project automates the operation of the fixed route buses including vehicle location and operating characteristics, customer real-time information, passenger counting equipment and improved management reporting capability.	PTA section 5307	2005 Implementation	\$0	\$0	\$0	\$0	\$100	\$200	\$0	\$300
10	ADA Complementary Paratransit Services - Costs associated with ADA paratransit programs are eligible for this funding. The project funds the ADA paratransit eligibility process with a transportation skills assessment and a travel training program for people who could benefit from individualized instruction regarding how to independently ride People Mover buses.	FTA section 5307	2001 - 2005 Purchase	\$225	\$231	\$242	\$249	\$257	\$275	\$0	\$1,487
11	Management Information Systems - This project funds information systems necessary for efficient management of the public transportation system. Typical projects include: Geographic Information Systems [GIS] capabilities, upgrades to the automated maintenance system, refueling, and inventory system; a new computerized dispatch system; and upgrades to the scheduling/run-cutting process, customer information and telephone communications system, and desktop computers.	FTA section 5307	2001-2005 Implementation	\$168	\$121	\$320	\$100	\$150	\$175	\$0	\$1,034
<i>subtotal FTA Section 5307 Transit funding to the MOA</i>				\$3,719	\$3,446	\$3,677	\$3,935	\$4,211	\$4,505	\$0	\$23,493

	PROJECT LOCATION	FUNDING SOURCE	PROJECT PHASING PLAN	FEDERAL FISCAL PROGRAMMING YEAR (\$,000)						Estimated unding needs after 2006	Estimated total project costs
				10/00 - 09/01	10/01 - 09/02	10/02 - 09/03	10/03 - 09/04	10/04 - 09/05	10/05 - 09/06		
				2001	2002	2003	2004	2005	2006		
Other FTA Section 5307 and Section 5309 Funds											
12	1% Transit Enhancement on ARRC projects	FTA sec.5307	2001 - 2003 Appropriation	\$48	\$48	\$48	\$0	\$0	\$0	\$0	\$144
13	Double Rail Tracking - The Alaska Railroad Corporation is expanding its track with an additional rail line next to the ARRC's main line in locations throughout the Anchorage - Wasilla operating area.	FTA section 5309	2001 Implementation	\$8,000	\$3,000	\$0	\$0	\$0	\$0	\$0	\$11,000
14	Anchorage Railroad Depot Improvements - Project to improve the site of the existing Anchorage Depot.	FTA sec.5307	2001 - c	\$259	\$104	\$0	\$0	\$0	\$0	\$0	\$363
15	Anchorage International Airport Rail Spur - project will complete the additional south leg of the Airport Spur wye.	FTA section	2001 - c	\$200	\$0	\$0	\$0	\$0	\$0	\$0	\$200
<i>subtotal FTA Sections 5307 & 5309 Transit funding to ARRC</i>				\$8,507	\$3,152	\$48	\$0	\$0	\$0	\$0	\$11,707

**Table 7. TRANSIT PROGRAM FUNDING
AMATS FFY 2001-2003 TIP (Approved June 1, 2000)**

	PROJECT LOCATION	FUNDING SOURCE	PROJECT PHASING PLAN	FEDERAL FISCAL PROGRAMMING YEAR (\$,000)						Estimated unding needs after 2006	Estimated total project costs
				1000 - 09/01	1001 - 09/02	1002 - 09/03	1003 - 09/04	1004 - 09/05	1005 - 09/06		
				2001	2002	2003	2004	2005	2006		
	FHWA/STP[CMAQ] funds <i>(projects are duplicated here to illustrate entire transit program)</i>										
16	Anchorage Ridesharing / Transit Marketing - Funds the operation of the MOA Share-A-Ride which promotes, coordinates, and operates an area-wide commuter matching service and a van pool program. Also funds a comprehensive transit marketing effort.	CMAQ, see Table 5	2001 - 2006 Programming	\$470	\$510	\$550	\$580	\$610	\$640	\$0	\$3,360
17	UAA/Providence Transit Center - The Providence/University Area Transportation Study recognized the importance of public transportation within as well as to/from the Area. This project implements the study's recommendation for the construction of an area transit center, providing a safe location for passengers waiting for buses.	CMAQ, see Table 5	2001 - C	\$2,500	\$0	\$0	\$0	\$0	\$0	\$0	\$2,500
18	Automated Operating System / People Mover - This project includes vehicle location and operating characteristics, customer real-time information, passenger counting equipment, and improved management reporting capability.	CMAQ, see Table 5	2002- Implementation	\$0	\$2,400	\$0	\$0	\$0	\$0	\$0	\$2,400
19	Youth Employment Program for transit stop and trail accessibility - This program hires young people (16-22 years old) to improve bus stops. Typical activities include minor construction projects, clearing and grubbing or landscaping, watering, planting landscaping beds and planters, etc.	CMAQ, see Table 5	2001 - 2006 Implementation	\$47	\$47	\$47	\$47	\$47	\$0	\$0	\$235
20	New Eastside Area Anchorage Transit Center - With changing travel patterns in the Anchorage area, the need for local transit hubs has increased. Hubs provide safe, convenient centers for bus riders to transfer between buses, eliminates the need to travel to the CBD, and reduces travel time. Location to be determined.	CMAQ, see Table 5	2004 - C	\$0	\$0	\$0	\$2,500	\$0	\$0	\$0	\$2,500
21	Winter CO Season Free Bus Service - Project provides free bus service from Nov. 1 through Jan 31 to reduce auto travel and promote transit ridership. Funding for third year is contingent upon success of program in increasing ridership. (Funded in FFY1999 and FFY2000.)	CMAQ, see Table 5	2002- Programming	\$525	\$0	\$0	\$0	\$0	\$0	\$0	\$525
22	Winter Sidewalk Maintenance - Provide maintenance in neighborhoods that connect with the transit system. Program started in previous TIP, FFY2000.	CMAQ, see Table 5	2003 - 2005 Implementation	\$200	\$200	\$200	\$200	\$200	\$0	\$0	\$1,000
23	Transit Fleet Expansion - This project will begin expansion for the People Mover Public Transportation System by purchasing three (3) new buses each year beginning in 2004.	CMAQ, see Table 5	2004 - 2006 Fleet Expansion	\$0	\$0	\$0	\$850	\$850	\$850	\$0	\$2,550
	subtotal FHWA/CMAQ Transit funding			\$3,742	\$3,157	\$797	\$4,177	\$1,707	\$1,490	\$0	\$15,070
Total Transit Program (FTA + FHWA)				\$15,968	\$9,755	\$4,522	\$8,112	\$5,918	\$5,995	\$0	\$50,270